S2	150	S1 and ("385"/$ "117"/$ 204/192.29-192.32 "438"/$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 15:10
S3	172	taper$3 near5 waveguide and monolith$3 same (semiconduct$3 semi adj conduct$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 15:10
S4	9	S1 and taper$3 near5 waveguide and monolith$3 same (semiconduct$3 semi adj conduct$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 15:12
S5	1718	385/43,28.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 15:12
S6	27	S5 and (monolith$3 same (semi adj conduct$4 semiconduct$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 15:56
S7	83	385/28.ccls. and 385/43.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 15:57
S8	7	S7 and taper$3 near5 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:03
S9	280	(ingrid near moerman) moerman	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:03
S10	25	((ingrid near moerman) moerman) and monolith$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:10
S11	17	S10 and mode near8 coupl$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:07
S12	24	S10 and taper$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:11
S13	8	S10 and taper$3.detd.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:11

S14	24	method same grow$4 same taper$4 near3 (waveguide wave adj guide) same (semi adj conduct$4 semiconduct$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:22
S17	12	("5078516" | "5142596" | "5391869" | "5910012" | "5917974" | "6162655").PN. OR ("6396984").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/13 16:20
S18	2	(("5078516" | "5142596" | "5391869" | "5910012" | "5917974" | "6162655").PN. OR ("6396984").URPN.) and (method same grow$4 same etch$5).detd.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/13 16:20
S19	11	(method same grow$4 same taper$4 near3 (waveguide wave adj guide) same (semi adj conduct$4 semiconduct$4)).detd.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:22
S20	1670744	(method grow$4 etch$4 mask$4).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:23
S21	18	S14 and (method grow$4 etch$4 mask$4).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:27
S22	0	438/30-40.ccls. and (dual double) near2 taper$3 near2 waveguide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:28
S23	52	438/30-40.ccls. and taper$3 near2 waveguide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:28
S24	2	S23 and taper$4 near3 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:28
S25	255401	optic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:31
S26	80	optic$4 near2 (waveguide wave adj guide) and taper$3 near3 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:31
S27	46	optic$4 near2 (waveguide wave adj guide) and taper$3 near rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:41

S28	5	S27 and (first second third fourth) near rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:42
S29	25	(US-20040114869-$ or US-20010010701-$).did. or (US-6697551-$ or US-6631225-$ or US-5430813-$ or US-6282342-$ or US-5054874-$ or US-6563988-$ or US-4763976-$ or US-6310995-$ or US-6760529-$ or US-6596185-$ or US-6768855-$ or US-6804440-$ or US-6714704-$ or US-5657338-$ or US-6859602-$ or US-5078516-$ or US-6162655-$ or US-6768758-$ or US-5910012-$ or US-5764842-$ or US-6571039-$ or US-6884327-$ or US-6321005-$).did.	US-PGPUB; USPAT	OR	ON	2005/05/13 16:47
S30	4	S29 and (first second third fourth) near rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/13 16:48
S31	24	(US-20010010701-$ or US-20040114869-$).did. or (US-4763976-$ or US-5054874-$ or US-5078516-$ or US-5657338-$ or US-5764842-$ or US-5910012-$ or US-6162655-$ or US-6282342-$ or US-6310995-$ or US-6321005-$ or US-6563988-$ or US-6571039-$ or US-6596185-$ or US-6631225-$ or US-6697551-$ or US-6714704-$ or US-6760529-$ or US-6768758-$ or US-6768855-$ or US-6804440-$ or US-6859602-$ or US-6884327-$).did.	US-PGPUB; USPAT	OR	ON	2005/05/15 19:41
S32	5	S31 and etch$3 same trench	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 19:42
S33	1703	sandia.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 19:42
S34	63	S33 and etch$3 same trench	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 19:42
S35	2	S34 and taper$3 near waveguide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 19:42

S36	3	("4999686" | "5933562" | "6229947").PN. OR ("6768855"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/15 19:43
S37	4	S31 and first near5 rate and second near5 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:09
S38	4	S37 and rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:10
S39	3	S37 and rate and var$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:10
S40	207	optic$4 near2 (waveguide wave adj guide) and taper$3 near20 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:32
S41	11	S40 and (first second third fourth) near8 taper$3 near8 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:29
S42	1	S40 and (first and second and third and fourth) near8 taper$3 near8 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:42
S43	6	S40 and (dual bi) adj taper$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 22:01
S44	10	vahala.in. and cai.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:40
S45	0	S40 and ((first and second and third and fourth) near3 rate) near8 taper$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:42
S46	23	optical near waveguide and (etch$3 near3 rate) near8 taper$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:07
S47	0	S46 and (first and second and third and fourth) near3 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:43

S48	3	S46 and first near3 rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 20:44
S49	25	optical near waveguide and (etch$3 near3 (speed rate)) near8 taper$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 21:15
S50	25	S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 21:15
S51	3	S49 and (rate speed) near3 (first second third fourth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 21:16
S52	63	optical near waveguide and etch$4 near5 (rate speed) near3 (first second third fourth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 21:16
S53	1	optical near waveguide and etch$4 near5 (rate speed) near3 (first and second and third and fourth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 21:17
S54	53	optical near waveguide and etch$4 near5 (rate speed) near3 var$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 21:17
S57	16	("4678267" | "4750802" | "5035480" | "5185827" | "5261016" | "5371815" | "5420948" | "5448674" | "5473719" | "5479545" | "5729643" | "5818987" | "5862287" | "5883992" | "6115519").PN. OR ("6321005"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/15 22:19
S58	23	((dual bi) near3 taper$4) near8 (waveguide wave adj guide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/15 23:08
S59	0	"6174748".pn. and lateral near18 grow$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:23
S60	0	"6174748".pn. and lateral near8 grow$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:09
S61	0	S58 and lateral near8 grow$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/15 23:09

S62	23	optical near waveguide and (etch$3 near3 rate) near8 taper$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:09
S63	0	S62 and lateral near4 grow$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/15 23:09
S64	1	"6174748".pn. and grow$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:15
S65	1	"6174748".pn. and grow$39 and vertical and lateral	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:23
S66	152100	"6174748".pn. etch$3 same mask	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:23
S67	1	"6174748".pn. and etch$3 same mask	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:27
S68	0	optical near (transmitter and receiver) and ((dual bi) adj taper$3 near3 (waveguide wave adj guide)) same photonic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:29
S69	0	((dual bi) adj taper$3 near3 (waveguide wave adj guide)) same photonic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:29
S70	132	taper$3 near3 (waveguide wave adj guide) same photonic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/15 23:30
S71	19	S70 and transmitter and receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:03
S72	13	S70 and transmitter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:05
S74	0	S70 and transmitter same receiver same photonic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:03

S75	13	S72 and photonic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:11
S76	6	S75 and taper$4 near12 coupl$6 near12 photon$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:07
S77	6	S72 and taper$4 near12 coupl$6 near12 photon$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:07
S78	13	S72 and photonic same taper$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:12
S79	2	"5698452".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/16 00:12